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Order from OTS or SLA \$1.10 63-14846

Trans. of Akad[emiya] Nauk [SSSR]. Doklady, 1949,
v. 64, no. 3, p. 333-335.
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DESCRIPTORS: *Ultrasonic radiation, *Microscopes,
*Ultrasonic equipment, Piezoelectric crystals, Design.

(Physics--Optics, TT, v. 10, no. 5)

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Order from OTS \$0.50 60-51043

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no. 5, p. 741-745.

Observations on *Pinus silvestris* and *P. banksiana* in
a sapling nursery of the USSR Academy of Sciences
are presented. Ivanov shoots (distinguished from
ordinary annual shoots) occurred as a result of sev-
eral growth surges during the summer months of 1953.
There is a direct connection between the activity of
the base of the shoot and that of the cambium.

(Biological Sciences--Botany, TT, v. 5, no. 6)

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INVESTIGATION OF ISOTOPE EXCHANGE IN THE SYSTEM
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CARBON DISULFIDE. V. A. Sokolov. Translated
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Izluchenii v Narod. Khoz. i Nauke, Moscow,
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~~DIFFERENT RADIOACTIVE ISOTOPES OF ION-EX-~~
~~CHANGE MATERIALS.~~ [1962] [11]p. 14 refs. FASEB
manuscript no. S-30-2.
Order from OTS or SLA \$1.60 63-15423

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DESCRIPTORS: Radiobiology, *Injectors (Medicine),
*Radioactive isotopes, Ion exchange resins, *Medical
equipment.

The method of obtaining applicators with varying emis-
sion for medical use proposed herein is based on the
use of ion-exchange materials. All the operations for
preparation of the applicators may easily be made
automatic. Models of applicators using radioactive
(Biological Sciences--Medical Specialties, TT, v. 9,
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<p>Sokolov, V. A. THE ORIGIN OF PETROLEUM AND RADIOACTIVITY. [1962] [11]p. 8 refs. Order from OTS or SLA \$1.60</p>	<p>62-16673 I. Sokolov, V. A.</p>
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<p>DESCRIPTORS: *Petroleum, *Radioactivity, *Methane, Ionization, Diffusion, Geochemistry, Geophysical prospecting, Natural radioactivity, Geology.</p>	
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AEC Tr 1157

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THE FUNCTIONAL IMPORTANCE OF THE NERVES
OF THE LIGAMENTA DENTICULATA OF THE
SPINAL CORD. [1963] [18]p. 15 refs. FASEB manu-
script no. S 198-2
Order from OTS or SLA \$1.60

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Trans. of Arkhiv Anatomi, Gistologii i Embriologii
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DESCRIPTORS: Physiology, *Nerves, *Spinal cord,
Morphology, *Autonomic nervous system, Histology.

The comparison of the morphological findings with the
results of the experimental physiological study of the
functional importance of the nerves of the ligamenta
denticulata of the spinal cord shows that these liga-
ments form one of the ways by which preganglionic
sympathetic fibers leave the spinal cord for the peri-
(Biological Sciences--Physiology, TT, v. 10, no. 7)
(over)

63-23046

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- I. Sokolov, V. B.
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Washington, D. C.
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Slow Neutrons' Albedo at 300 cm^{-2} Depth in the
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by A. I. Kus'min, V. D. Sokolov, G. V. Shafer,

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NASA F-67

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Test Pilot Rusakova, by V. D. ~~██~~ Sokolov, M. F.
Reorov, 9 pp.

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(DC-2389)

In the Yakutsk Laboratory of Cosmic Rays, by V. D. Skolov, G. V. Skripin, 4 pp. UNCL

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US JPRS 434-0

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THE MECHANISM OF HEAT DISSIPATION IN SEA
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[CSIRO Trans.] 5473.
Order from OTS or SLA \$1.60 61-28220

Trans. of [Moskovskoe Obshchestvo Ispytatelei
Prirody. Byulleten' Otdel Biologicheskii] (USSR) 1958,
v. 63, no. 4, p. 5-12.

DESCRIPTORS: *Cetacea, *Seals (Zoology), Heat
transfer, Scattering.

Literature data indicate that the heat dissipation can
proceed in cetaceans either by direct contact of the
skin of the trunk and fins as well as the surface of the
tongue, palate and bottom of mouth cavity with sur-
rounding water or by the heating of inhaled air in the
respiratory tracts. Heat dissipation in pinnipeds is
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